

ABSTRACT OF THE INVENTION

1 A Series Connected Buck-Boost Regulator (SCBBR) that switches only
2 a fraction of the input power, resulting in relatively high efficiencies. The
3 SCBBR has multiple operating modes including a buck, a boost, and a current
4 limiting mode, so that an output voltage of the SCBBR ranges from below the
5 source voltage to above the source voltage.